

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:- 100

Date:- 24-11-2022

NAME OF SITE

GRAM PANCHAYAT- Parvatpur Makhdumpur
DISTT- Bijour

BLOCK- Najibabad

NAME OF AGENCY

LC Infra Projects Pvt. Ltd.- TCEL(JV)
Bijour



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.

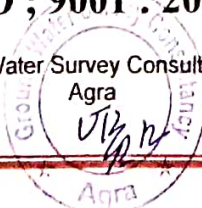
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ISO ; 9001 : 2015

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Agra



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- PARVATPUR MAKHDUMPUR, BLOCK- NAJIBABAD,
DISTT- BIJNOUR
UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 160 mtrs. depth. and Logged depth 160 mtrs. at above site. Was drilled by M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijour.

On the request of M/s LC Infra Projects Pvt. Ltd.- TCEL(JV), Bijour. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 24.Nov.2022.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 12	7	Clay kankar	
3.	12 - 20	8	Fine sand	
4.	20 - 24	4	Clay kankar	
5.	24 - 32	8	Fine to Medium sand	Good
6.	32 - 60	28	Clay kankar	
7.	60 - 65	5	Fine sand	Good
8.	65 - 88	23	Clay kankar	
9.	88 - 92*	4	Medium sand	Good
10.	92 - 96	3	Clay kankar	
11.	96 - 106*	10	Medium sand & kankar	Good
12.	106 - 111	5	Clay kankar	
13.	111 - 115*	4	Medium sand	Good
14.	115 - 122	7	Clay kankar	
15.	122 - 128	6	Fine sand	Good
16.	128 - 135	7	Clay kankar	
17.	135 - 144*	9	Fine to Medium sand	Good
18.	144 - 150	6	Clay kankar	
19.	150 - 160	10	Sandy clay	

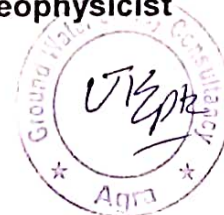
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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting strata chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tubewell.
3. The Quality of water is expected Good.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



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Rho a
 N16 (SN)
 NS4(LIN)
 LAT

Logging V1 Paratipur
 Mahanumpur, Siroki
 Hajibad Distt
 Survey 01
 LOGGING/UP
 24 Nov 2022
 14.06
 Uthairath Gupta (GT)

SP (m V)

